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## **Millers Falls**

# metal cutting products

### "BLU-MOL"® HIGH SPEED MOLYBDENUM POWER HACK SAW BLADES

Toughness resists breakage even under severe usage.

Unsurpassed for fast production cutting of tough alloy steels! Heat treated by exclusive Millers Falls process. Made of specially selected high speed molybdenum alloy steel. Extremely hard, long cutting teeth assure low cutting costs.

Packed 10 Per Box. \*30 Per Box.



Cat. No.	Length Inches	Width Inches	Thickness	Teeth Per Inch
*1254M	12	5/8	.032	14
*1258M	12	5/8	.032	18
2410M	12	1	.050	10
2414M	12	1	.050	14
4410M	14	1	.050	10
4414M	14	1	.050	14
4506M	14	11/4	.062	6
4510M	14	11/4	.062	10
4604M	14	11/2	.075	4
4606M	14	11/2	.075	6
7410M	17	1	.050	10
7414M	17	1	.050	14
7504M	17	1 1/4	.062	4
7506M	17	1 1/4	.062	6
7510M	17	1 1/4	.062	10
8506M	18	11/4	.062	6
8510M	18	1 1/4	.062	10
8604M	18	11/2	.075	4
8606M	18	11/2	.075	6
8784M	18	13/4	.088	4
8786M	18	13/4	.088	6
1784M	21	1 3/4	.088	4
1786M	21	1 3/4	.088	6
4784M	24	134	.088	4
4786M	24	13/4	.088	6
@4814M	24	2	.100	4
<b>9</b> 3114M	30	21/2	.100	4

0 25/64" Pin Hole Standard on these Blades.



An extra margin of safety under severest cutting conditions.

One of the most sensational performers in the Power Hack Saw field!
Unbreakable in use. Savings of 20% to 50% when tested against other blades on actual production runs.
Teeth milled in super high speed steel strip and electrically welded to tough shatter-proof steel back.

Packed 10 Per Box.



Cat. No.	Length Inches	Width Inches	Thickness	Teeth Per Inch
2410JE	12	1	.050	10
2414JE	12	i	.050	14
4410JE	14	1	.050	10
4414JE	14	1	.050	14
4506JE	14	11/4	.062	6
4510JE	14	11/4	.062	10
4604JE	14	11/2	.075	4
4606JE	14	11/2	.075	6
7410JE	17	1	.050	10
7414JE	17	1	.050	14
7504JE	17	11/4	.062	4
7506JE	17	11/4	.062	6
7510JE	17	11/4	.062	10
8506JE	18	11/4	.062	6
8510JE	18	11/4	.062	10
8604JE	18	11/2	.075	4
8606JE	18	11/2	.075	6
8784JE	18	1 3/4	.088	4
8786JE	18	1 3/4	.088	6
1784JE	21	1 3/4	.088	4
1786JE	21	13/4	.088	6
4784JE	24	1 3/4	.088	4
4786JE	24	13/4	.088	6
<b>@</b> 4814JE	24	2	.100	4
@3114JE	30	21/2	.100	4
3612JE	36	41/2	.125	21/2

25/64" Pin Hole Standard on these Blades.



# **(1)** Millers Falls

# metal cutting products

### "BLU-MOL"® DOUBLE LIFE HIGH SPEED POWER HACK SAW BLADES

#### Double Edge for Double Life!

Twice the cuts for only one third more! Only double-life blade made. All the Blu-Mol advantages PLUS double-edged economy. Unbreakable in use. Both cutting edges are identical except that first edge used has greater set enabling second edge to pass through without wear. Welded high speed cutting edge assures twice the cutting without blade fatigue.

Packed 10 Per Box

## WELDED EDGE DOUBLE LIFE "BLU-MOL" HIGH SPEED

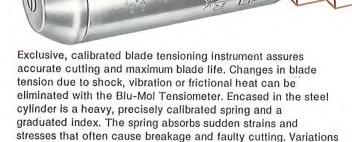
Cat. No.	Length Inch	Width Inch	Thickness	Teeth Per Inch
WD4506	14"	1 1/4"	.062	6
WD4510	14"	1 1/4"	.062	10
WD4604	14"	1 1/2"	.075	4
WD4606	14"	11/2"	.075	6
WD8506	18"	11/4"	.062	6
WD8510	18"	1 1/4"	.062	10
WD8604	18"	11/2"	.075	4
WD8606	18"	11/2"	.075	6
WD1786	21"	1 3/4"	.088	6
WD4784	24"	134"	.088	4

## ONE PIECE DOUBLE LIFE "BLU-MOL" HIGH SPEED

DL4814   24"   2"   .100   4	DL4506 DL4604 DL7504 DL8604 DL8606 DL8784 DL1784 DL1814 DL4814	14" 14" 17" 18" 18" 18" 21" 21"	1 1/4" 1 1/2" 1 1/4" 1 1/2" 1 1/2" 1 3/4" 1 3/4" 2" 2"	.062 .075 .062 .075 .075 .088 .088 .100	6 4 4 6 4 4 4
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■ 2%4" Pin Hole Standard.





in tension register at once and can be corrected quickly.

PORTER BANDS FOR PORTABLE BANDSAW MACHINES

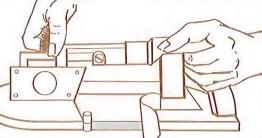
Tuf-Flex. For general purpose, mild steels, tubing, angle, etc. Packed 5 Per Box.

Dlada

A heavy roller thrust bearing in base of cylinder allows accurate adjustment with ease up to 4,000 pounds. Special fittings permit installation of the Tensiometer on production hacksaw machines. The unit is attached directly to the machine's blade holder and becomes an integral part of the machine.

Packed 1 Per Box.

No. 888-13 ½"-13" Threaded Hole No. 888-20 ½"-20" Threaded Hole



Jet Band. High speed alloy vanadium carbide hardness. Cuts stainless steel and other tough alloys. Packed 3 Per Box.

No.	Length	Teeth	Tooth	Set	
5210 5214 5218 5224	44%" 44%" 44%" 44%"	10 14 18 24	Reg Reg Reg Reg	Raker Raker Raker Wavy	Welded ½″ x .020

Blade No.	Length	No. of Teeth	Tooth	Set	
4110 4114 4118 4124	44%" 44%" 44%" 44%"	10 14 18 24	Reg Reg Reg Reg	Raker Raker Raker Raker	Welded ½″ x .020



# (In Millers Falls)

## metal cutting products

#### TUF-FLEX® CARBON BAND SAWS

### TUF-LEX

Special formula steel for strength and economy even under the toughest cutting applications. Tooth hardness coupled with flexible back assures high resistance to wear and stress breakage. Recommended for general purpose cutting including inside/outside contour work.

See Page 43 for Portable Bands

Thick-	Tooth	Tooth	Teeth/		g No.	Catalo
ness	Set	Type	Inch	Width	250 Ft. Coil	100 Ft. Coil
		Reg.	18	1/8"		6B021S100
		Hook	4		6B040S250 6B042S250	6B042S100
		Skip	4 6	1/4"	6B041S250 6B043S250	6B041S100 6B043S100
.025	Daltas	Reg.	10 12 14 18 24		6B044S250 6B045S250 6B046S250 6B047S250	6B044S100 6B045S100 6B046S100 6B047S100 6B048S100
	Raker	Hook	3 4 6		6B060\$250 6B062\$250 6B064\$250	6B064\$100
		Skip	4	3/8"	6B063S250	6B063S100
		Reg.	8 10 14 18	78	6B065S250 6B066S250 6B068S250 6B069S250	6B065S100 6B066S100 6B068S100 6B069S100
.020		nog.	10 14 18	1/2"	6B082S250 6B083S250 6B084S250	
	Wavy		24		6B086S250	

Thick-	Tooth	Tooth	Teeth/		Catalog No.	
ness	Set	Туре	Inch	Width	250 Ft. Coil	100 Ft. Coil
		Hook	6		6B091S250 6B093S250 6B096S250	6B093S100 6B096S100
	Raker	Skip	3 4	1/2"	6B092S250 6B094S250	6B094S100
.025	Nakoi		6 10 14 18 24		6B097S250 6B098S250 6B100S250 6B102S250 6B104S250	6B097\$100 6B098\$100 6B100\$100 6B102\$100 6B104\$100
	Wavy	Reg.	10 14 18 24		6B099S250 6B101S250 6B103S250 6B105S250	6B099S100 6B101S100 6B105S100
			6 10 14	5/8"	6B120S250 6B122S250 6B124S250	6B122S100 6B124S100
.032		Hook	2 3 6		6B140S250 6B141S250 6B143S250	6B143S100
	Raker	Skip	3		6B142S250	6B142S100
		Reg.	6 8 10 12 14 18	3/4"	6B144S250 6B146S250 6B148S250 6B150S250 6B152S250 6B154S250	6B144S100 6B146S100 6B148S100 6B150S100 6B152S100 6B154S100
	Wavy		8 10 12 14 18		6B147S250 6B149S250 6B151S250 6B153S250 6B155S250	6B149S100 6B153S100
		Hook	2 3		6B170S250 6B171S250	6B171S100
	D.L.		3		6B172S250	
.035	Raker	Reg.	6 8 10 14	1"	6B174S250 6B175S250 6B176S250 6B178S250	6B174S100 6B175S100 6B176S100 6B178S100
	Wavy		10		6B177S250	001700100

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired.

Example: ½ x .020 x 10T Reg. Raker use 6B321S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 2

### MICRO-HONED JET BAND® SAWS

## MICRO-HONEDE JET BANK

Outcuts and outlasts up to seven carbon bands! Vanadium carbide hardness with high fatigue resistance. Exclusive Millers Falls steel formula developed especially for band saws. Handles 80% of the cutting jobs of high speed steel bands at savings of up to 50%.

See Page 43 for Portable Bands

250 Ft. Coil	Width	Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B321S250 6B322S250 6B323S250 6B324S250	1/2"	10 14 18 24		Reg. Raker	.020
6B352S250 6B353S250 6B354S250 6B356S250	3/4"	6 8 10 14	Reg.		.032
6B355S250		10		Wavy	
6B370S250		3	Hook		
6B373S250 6B375S250 6B376S250 6B377S250	1"	4 6 8 10	Reg.	Raker	.035
6B381S250		6			.042

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .025 x 10T Reg. Raker use 6B411S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23

#### TUF-TEMPER® BAND SAWS

## TUF-TENPER

New improved process makes this a premium quality carbon band. Double heat treat produces hard edge plus flexible spring temper back to minimize breakage. An economical increased tooth life band with greater tensile strength and no stretch to withstand greater feed pressures.

Catalo 100 Ft. Coil	og No. 250 Ft. Coil	Width	Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B210S100	6B210S250 6B212S250		4 6	Hook		
6B213S100	6B211S250 6B213S250		4	Skip	Raker	
6B214S100 6B215S100 6B216S100 6B217S100	6B214S250 6B215S250 6B216S250	1/4"	10 14 18 24	Reg.	Nakei	.025
6B218S100	1		32		Wavy	
6B222S100 6B224S100	6B222S250 6B224S250		4 6	Hook		
6B223S100	6B223S250		4	Skip		
6B225S100 6B226S100 6B227S100	6B226S250 6B227S250	3/8″	8 10 14	Reg.	Raker	
6B228S100			18			

Catal	og No.		Teeth/	Tooth	Tooth	Thick-
100 Ft. Coil	250 Ft. Coil	Width	Inch	Type	Set	ness
6B233S100 6B235S100	6B233S250 6B235S250		4 6	Hook		
6B234S100	6B234S250		4	Skip		
6B236S100 6B237S100 6B239S100 6B241S100	6B236S250 6B237S250 6B239S250 6B241S250	1/2"	6 10 14 18		Raker	.025
6B238S100 6B240S100 6B242S100	6B238S250 6B240S250 6B242S250		10 14 24	Reg.	Wavy	
6B251S100 6B253S100	6B251S250 6B253S250	5/8"	10 14			
	6B261S250 6B263S250		3 6	Hook		.032
6B262S100			3	Skip	Raker	
6B264S100 6B265S100 6B267S100 6B269S100 6B271S100	6B264S250 6B265S250 6B267S250 6B269S250 6B271S250	3/4"	6 8 10 12 14	Reg.		
6B268S100 6B272S100	6B266S250 6B268S250 6B270S250 6B272S250 6B273S250		8 10 12 14 18	nog.	Wavy	
	6B277S250		3	Hook		
6B280S100 6B281S100 6B282S100 6B284S100	6B280S250 6B281S250 6B282S250 6B284S250	1"	6 8 10 14	Reg.	Raker	.035
6B283S100	6B283S250		10		Wavy	

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .025 x 18T Reg. Wavy use 6B103S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23'

#### BLU-MOL® BAND SAWS

## BLU- OL

Cuts 10 times faster than carbon bands! Takes over where other bands leave off. Ideal for cutting high alloy steels. Specially designed for production cut-off work; handles heavier feeds at higher speeds than competitive bands. 20% longer life than other high speed steel bands. Extremely tough and flexible with super-hard teeth, hardness held at cutting temperatures up to 1100°F. "Micro-Honed" process yields sharper teeth and maximum fatigue resistance.

Catalog 250 Ft. 0		Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B411S2	250 1/2"	10			.025
6B422S2 6B423S2 6B424S2	50 3/4"	6 8 10	Reg.		.032
6B440S2 6B442S2 6B445S2	50	3 4 6	Hook	Raker	.035
6B460S2	250 1"	3			.042
6B444S2 6B446S2 6B447S2 6B448S2	250 250	4 6 8 10	Reg.		.035
6B481S2	50 11/4"	6			.042

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .025 x 4T Hook Raker use 6B233S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23

#### "BLU-MOL" WELDED EDGE BAND SAWS

## BLUMOL

Fabricated with two selected metals welded together to produce a blade with up to four times better performance than other one-piece high speed steel blades. The welded band results in a uniformly hard, high abrasion resistant tooth with a flexible, highly resilient and fatigue esistant back. Blade can be welded on standard blade welding equipment.

Catalo 100 Ft. Coil	og No. 150 Ft. Coil	Width	Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B621S100 6B622S100		1/2"	10 14		Raker	
	6B641S150 6B643S150	3/4"	6 10	Reg.	Nunoi	
0 0	6B644S150		10		Wavy	.035
	6B650S150 6B649S150	***	3 4	Hook		
	6B651S150 6B652S150 6B654S150	1"	4 6 10	Reg.	Raker	

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .035 x 10T Reg. Raker use 6B621S—6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23

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# metal cutting products

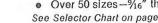
## HOLE SAW/MANDRELS/ACCESSORIES



Designed for wide use and application in the metal cutting industries, plumbing. electrical, and automotive trades. Saw follows through completely, knock-out slots permit easy core removal. Molybdenum high speed steel cutting edge welded to shatterproof steel back for safer cutting in all machinable materials.

- 11/8" depth of cut
- 6 teeth per inch
- Follow through design
- Over 50 sizes %16" through 6" diameter

See Selector Chart on page 47





Essential tools for the journeyman. 15 sizes available for cutting 1" to 41/2" diam. holes in metal pipe, wood, sheetrock and plaster. High speed steel cuts easily through obstructions such as nails and screws.

- High speed steel cutting edge
- Welded edge shatter proof construction
- Cuts holes up to 21/2" deep
- Follow through design
- 15 sizes-1" to 41/2" diameter

See Selector Chart on page 47



Ideal for mechanics, maintenance crews. electricians, plumbers, construction workers and appliance installers.

Kit Contains: one each 3816, 3818, 3820, 3822, 3828, 3832, 3836, 3840, 3852 and 3864 Deep Cut Hole Saws; one each 8540 and 8550 Mandrels; one 5500 Extension.

Packed in metal case with formed insert. See Selector Chart on page 47



Designed to cut thin metal with cleaner, burr-free holes. Unique tooth set design maintains consistently rounder holes in sheet metal stock, 4 teeth per inch and thin blade permit higher operating speeds and less feed pressures.

- For all types of sheet metal and light gauge applications
- Shatter-proof welded edge construction
- 1/2" cutting depth

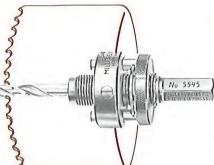
See Selector Chart on page 47

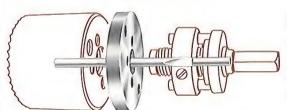
### MANDRELS

For Blu-Mol, Blu-Jet and Deep Cut Hole Saws.

Mandrels complete with high speed 1/4" pilot drill. Deep Cut Hole Saws use mandrel with 36" high speed pilot drill. Shank will fit any two or three jawed chuck. All mandrels are fully heat treated and provide positive drive to hole saw. No. 5545 Quick-Change Mandrel (for hole saws 11/4" through 6") allows easy changing of hole saws. Drive pins can be readily advanced or retracted without removing mandrel from chuck providing fast time-saving change-overs.

See Selector Chart on page 47





#### HIGH-TORQUE DRIVING PLATES

Available in two sizes for driving hole saws. Eliminates shearing mandrel drive pins. Distributes torque over greater driving area permitting greater feeds and speeds.

Cat. No.	Fits Blu-Mol Hole Saw Nos.
5506	548-570
5507	572-596

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### HOLE SAW/MANDREL SELECTOR CHART

### MANDREL **ACCESSORIES**



No. 5511 Mandrel Adaptor. Threaded adaptor and washer allows Mandrel Nos. 5514 and 5518 to be used with hole saw No. 520 thru 524 and 8626 thru 8630 under light duty cutting conditions.

0.0.C No. 8535 1/4" Pilot Drill. Original equipment replacement 1/4" pilot drill for Mandrel Nos. 5514, 5518, 5520, 5545 and 5572.

No. 8525 3/8" Pilot Drill. Original equipment replacement 3/8" pilot drill for Mandrel Nos. 8540 and 8550.

No. 5500 12" Extension. A 12" extension for use in hard to reach places. For 7/16" hex shank Mandrel Nos. 5518, 5520, 5545, 8540, and 8550.

							Recomm	mended C	dearance	S
	DEEP	Hole	BLU MOL	BLU JET			Pipe			bing
Mandrel Cat. No.	HOLE	Dia. Inch	HOLE	HOLE	Mandrel Cat. No.	Tap Size	Entr. Size	Cou- pling	Size	Cou- pling
Use Mandrel 8540 %e" Hex Shank	3816 3818 3820	916 58 11/16 34 113/16 78 115/16 1 11/16 1 1/8 13/16 1 1/4 15/16	509 510 511 512 513 514 515 516 517 518 519 520 521	8616 8618 8620 8622 8624 8626	Use Mandrel 5514 ¼* Rd, or 5518 ¾ <sub>6</sub> Hex Shank  Use 5520, 5545	3/4 3/4 1	1/4 3/8 1/2 3/4	1/4 3/8 1/2	34 1	V2 34
	3822 3824	13/8 17/16 11/2	522 523 524	8628 8630	⅓ <sub>16</sub> " Hex or 5572 ¾" Hex Shank	11/4	1	34	11/4	1
	3828	1%6 15% 11%6 134 11316 17%	525 526 527 528 529 530	8632 8634 8636		1 1/2	1 1/4		11/2	1 1/4
Use	3832 3836	2 2½ 6 2½	532 533 534	8637 8639			1 1/2			1½
Mandrel 8550 7 <sub>16</sub> " Hex Shank	3840	2½ 2½ 2¾ 2½ 2½ 2¾	536 537 538 540 541	8640 8642 8643	Use Mandrel	2	2	11/4	2	2
	3844 3848 3852	25/8 23/4 27/8 3 31/8 31/4	542 544 546 548 550 552	8646 8648	5545 %6" Hex or 5572 %6" Hex Shank	3	21/2	2	2½	21/2
	3856	33/4 31/2 35/8 33/4 33/6	554 556 558 560 562			31/2	3		3	3
	3864	4 4 1/8 4 1/4 4 3/8	564 566 568 570				31/2	21/2	31/2	31/2
	3872	4½ 4¾ 5 5½	572 576 580 588				4	3	4	
		5¾ 6	592 596				5			

### QUIK-CUT HOLE SAWS







\*9270C

2703C



QUIK-CUT HOLE SAW. Quick-Cut follow through design of tempered alloy steel for hobby use in wood, plaster and mild steel. 76" depth capacity. Knock-out holes. Carded.

2736C

QUIK-CUT MANDREL. Complete with 1/4 inch pilot drill. Carded.

QUIK-CUT HOLE SAW STARTER KIT. Heat treated alloy steel for wood, plastics, wallboard and mild steel, Drills doors for lock sets, Carded.

Cat. I		Description
27120	C	34" diam.
27140		%" diam.
27160		1" diam.
27180	0	11/a" diam.
27200	0	1 1/4" diam.
27220		13%" diam.
27240		11/2" diam.
27260		1%" diam.
27280	_	134" diam.
27300		1%″ diam.
27320	-	2" diam.
27340		21/8" diam.
27360		2¼" diam.
27400		21/2" diam.
27010	Fo	r saws 34"—11/6" diam.
27020		r saws 11/4"-21/2" diam.
27030	Fo	r saws 11/4"-21/2" diam.
92700	Kit	Includes:
	11/	1", 1½", 2" and
	21/	" hole saws;
	No	, 2703 mandrel

Description

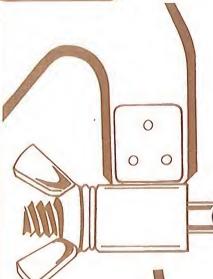
\* Denotes carded or packed in vinyl pouch.



## **(1)** Millers Falls

## metal cutting products

### HAND HACKSAW BLADES



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## "BLU-MOL"® HIGH SPEED HAND HACKSAW BLADES

"Blu-Mol" molybdenum high speed steel. Fully heat treated to resist wear and cut all metals efficiently. Recommended for applications involving firmly held work. Standard set on 14 and 18 tooth. Wavy set on 24 and 32 tooth.

Packed 100 Per Box.

Cat. No.	Lgth.	Teeth Per In.	Width	Thick- ness
1018M 1024M 1032M	10"	18 24 32	1/2"	.025
1214M 1218M 1224M 1232M	12"	14 18 24 32	1/2"	.025



## ME BLU-MOL® HIGH-SPEED



"Blu-Flex" high speed molybdenum, shatter-proof, heat treated hard teeth with super-flexible back. Recommended when work cannot be firmly secured. Standard set on 14 and 18 tooth. Wavy set on 24 and 32 tooth.

Packed 100 Per Box.

\*Also available 1 per plastic sleeve, 20 sleeves per box. To order letter S must precede Cat. No. Example: S1018BF

Cat. No.	Lgth.	Teeth Per In.	Width	Thick- ness
*1018BF *1024BF *1032BF	- 10″	18 24 32	1/2"	.025
1214BF *1218BF *1224BF *1232BF	12"	14 18 24 32	1/2"	.025



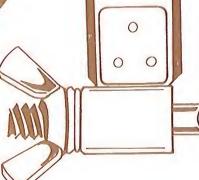
MICHSPELD @BLU-FLEX@FLEXIBLE



Super tough, super flexible patented alloy. Heat treated to resist breakage and tooth strippage. Best suited for light to medium duty general cutting. Standard set on 14 and 18 tooth. Wavy set on 24 and 32 tooth.

Packed 100 Per Box.

Cat. No.	Lgth.	Teeth Per In.	Width	Thick- ness
53FH 63FH 73FH	10"	18 24 32	1/2"	.025
45FH 55FH 65FH 75FH	12"	14 18 24 32	1/2"	.025



0



TUF-FLEX®